

3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

Industrial Hygiene

AUG 23 1989

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET**3M**

## DIVISION: ADHESIVES, COATINGS AND SEALERS

## TRADE NAME:

SCOTCH-GRIP(TM) 847 Rubber and Gasket Adhesive

3M I.D. NUMBER: 62-0847-0335-4 62-0847-0635-7 62-0847-2631-4 62-0847-5530-5  
 62-0847-6530-4 62-0847-7530-3 62-0847-8530-2 62-0847-9530-1  
 62-0847-9531-9 62-0847-9532-7 78-8032-2065-2

ISSUED: JULY 21, 1989

SUPERSEDES: JULY 11, 1989

DOCUMENT: 10-2436-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE VALUE UNIT	LIMITS TYPE AUTH
acetone	67-64-1	60.0 - 70.0	750 ppm	TWA ACGIH
acrylonitrile-butadiene polymer	9003-18-3	10.0 - 20.0	NONE NONE	NONE NONE
phenol-formaldehyde polymer	9003-35-4	1.0 - 10.0	NONE NONE	NONE NONE
glycerol esters of rosin acids	8050-31-5	1.0 - 10.0	NONE NONE	NONE NONE
salicylic acid	69-72-7	1.0 - 10.0	NONE NONE	NONE NONE
zinc oxide	1314-13-2	1.0 - 10.0	10 mg/m <sup>3</sup>	TWA ACGIH
alkylated diphenylamines	37338-62-8	< 1.0	NONE NONE	NONE NONE

## SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING  
 REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION  
 ACT OF 1986 AND 40 CFR PART 372:

acetone  
 zinc oxide

## 2. PHYSICAL DATA

BOILING POINT:..... 132F (Acetone)  
 VAPOR PRESSURE:..... 268F 180mmHg  
 VAPOR DENSITY:..... 2.0  
 EVAPORATION RATE:..... 1.9  
 SOLUBILITY IN WATER:..... Slight  
 SP. GRAVITY:..... 0.91  
 PERCENT VOLATILE:..... 64% by weight  
 VOLATILE ORGANICS:..... 583.00 gm/l  
 pH:..... N/D  
 VISCOSITY:..... 2,750 cps  
 APPEARANCE AND ODOR: Dark brown liquid; sharp solvent odor

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... OF (Tag Closed Cup/Acetone)  
 FLAMMABLE LIMITS - LEL:..... 2.6  
 FLAMMABLE LIMITS - UEL:..... 12.8  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO<sub>2</sub>, foam, dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 Fire fighters should be equipped with self-contained breathing  
 apparatus when fighting fires involving this material.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 Extremely Flammable. Overheated, closed containers adjacent to fire

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

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could explode due to internal pressure buildup.  
NFPA-HAZARD-CODES: HEALTH 1 FIRE 3 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

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**4. REACTIVITY DATA**

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STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
N/A  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO<sub>2</sub>, N, formaldehyde and smoke particles when subjected to  
excessive heat or flame.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

**RECOMMENDED DISPOSAL:**

Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations.  
U.S. Hazardous Waste No.: D001 (Ignitable).

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = 583 grams/liter.  
Maximum VOC minus Water minus Exempt Solvents = 583 grams/liter.

**SARA HAZARD CLASS:**

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Flush eyes with large amounts of water for 10 minutes. Get medical attention.

**SKIN CONTACT:**

Wipe off contamination. Wash affected area with soap and water.

**INHALATION:**

Remove to uncontaminated air. Call a physician.

**IF SWALLOWED:**

Do not induce vomiting. Call a physician or poison control center

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**6. SUGGESTED FIRST AID (continued)**

immediately.

**OTHER FIRST AID:**  
NONE**7. PRECAUTIONARY INFORMATION**

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flames, and other sources of ignition. The vapors released by this product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Keep container closed when not in use. If ventilation is inadequate, wear an approved organic vapor respirator. Prevent contact with eyes and skin. Utilize personal protective equipment when handling this product, i.e. impervious gloves and chemical goggles or safety glasses. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	---- EXPOSURE		LIMITS ----	
	VALUE	UNIT	TYPE	AUTH
acetone	1780	mg/m3	TWA	ACGIH
acetone	1000	ppm	STEL	ACGIH
acetone	2375	mg/m3	STEL	ACGIH
acetone	750	ppm	TWA	OSHA
acetone	1800	mg/m3	TWA	OSHA
acetone	1000	ppm	STEL	OSHA
acetone	2400	mg/m3	STEL	OSHA
zinc oxide	10	mg/m3	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

**8. HEALTH HAZARD DATA**

**EYE CONTACT:** Liquid contact with the eye may cause severe eye irritation. Vapor contact is also irritating.

**SKIN CONTACT:** Prolonged or repeated skin contact may defat the skin with resultant irritation and dermatitis. Symptoms of excessive contact are dryness and cracking.

**INHALATION:** Inhalation of vapor concentrations above the recommended limits may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms of overexposure include dizziness, giddiness, dryness of the mouth, weakness, nausea and headache. Prolonged or repeated overexposures to acetone vapors may cause heart, liver, kidney, and blood damage.

**INGESTION:** May cause digestive system irritation. Symptoms following ingestion include irritation, nausea, difficult breathing

Abbreviations: N/D - Not Determined N/A - Not Applicable

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8. HEALTH HAZARD DATA (continued)

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and nervous system impairment. Solvent aspiration into the lungs as a result of vomiting may cause lung damage which can be harmful or fatal.

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SECTION CHANGE DATES

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HEADING	SECTION CHANGED SINCE JULY 11, 1989 ISSUE
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Abbreviations: N/D - Not Determined N/A - Not Applicable

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.